

**2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Lexington Plantation Pool House
 Address: 400 Centennial Parkway Cameron, NC Zip Code 28326
 Owner/Authorized Agent: Village at Lexington Phone # (910) 484 - 5400 E-Mail jamie@littleandyoung.n
 Owned By: HOA City/County Private State
 Code Enforcement Jurisdiction: City County Harnett State

CONTACT: Christopher G. Herndon, PE CWI

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	<u>Draper Aden Associates</u>	<u>Andrew P. Mericle, PE</u>	<u>041595</u>	<u>(919) 827-0864</u>	<u>americle@daa.com</u>
Civil					
Electrical					
Fire Alarm					
Plumbing	<u>Coastal Plains Engineering, PA</u>	<u>Christopher S. Locklear, PE</u>	<u>020193</u>	<u>(910) 521-7213</u>	<u>coastalplainseng@gmail.com</u>
Mechanical					
Sprinkler-Standpipe					
Structural	<u>Draper Aden Associates</u>	<u>Christopher G. Herndon, PE CWI</u>	<u>043810</u>	<u>(919) 827-0864</u>	<u>cherndon@daa.com</u>
Retaining Walls >5' High					
Other					

(*Others* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC CODE FOR: New Construction Addition Renovation
 1st Time Interior Completion
 Shell/Core
 Phased Construction - Shell/Core
 Renovation

2018 NC EXISTING BUILDING CODE: Prescriptive Repair Chapter 14
 Level I Level II Level III
 Historic Property Change of Use

CONSTRUCTED:(date) ORIGINAL OCCUPANCY(S) (Ch. 3):
 RENOVATED: (date) CURRENT OCCUPANCY(S) (Ch. 3):
RISK CATEGORY (table 1604.5) Current: I II III IV
 Proposed: I II III IV

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary) **Flood Hazard Area:** No Yes
 Special Inspections Required: No Yes

2018 NC Administrative Code and Policies Appendix B for Building

Gross Building Area:				
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENO/ALTER (SQ FT)	SUB-TOTAL
6 th Floor				
5 th Floor				
4 th Floor				
3 rd Floor				
2 nd Floor				
Mezzanine				
1 st Floor		992		
Basement				
TOTAL				

ALLOWABLE AREA
Primary Occupancy Classification: SELECT ONE
 Assembly A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 Condition I-2 I-3 Condition I-4
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous

Necessary Occupancy Classification(s):
Incidental Uses (Table 509):
 Special Uses (Chapter 4 - List Code Sections):
 Special Provisions: (Chapter 5 - List Code Sections):
Mixed Occupancy: No Yes Separation: Hr. Exception:
 Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
 Separated Use (508.4) -
 See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\text{---} + \text{---} + \text{---} = \text{---} \leq 1.00$$

2018 NC Administrative Code and Policies Appendix B for Building

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
1	UTILITY	992	5,500		5,500

¹ Frontage area increases from Section 506.3 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 b. Total Building Perimeter = _____ (P)
 c. Ratio (F/P) = _____ (F/P)
 d. W = Minimum width of public way = _____ (W)
 e. Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 = \text{---} (\%)$

² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4
⁵ Frontage increase is based on the unspinklered area value in Table 506.2.

ALLOWABLE HEIGHT			
	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40	20	
Building Height in Stories (Table 504.4)	1	1	

¹ Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4.
² The maximum height of air traffic control towers must comply with Table 412.3.1
³ The maximum height of open parking garages must comply with Table 406.5.4

2018 NC Administrative Code and Policies Appendix B for Building

FIRE PROTECTION REQUIREMENTS							
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED * (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls		0					
Exterior		0					
North	114'						
East	77'						
West	186'						
South	102'						
Interior		0					
Nonbearing Walls and Partitions		0					
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions		0					
Floor Construction							
Including supporting beams and joists							
Floor Ceiling Assembly							
Column Supporting Floors							
Roof Construction, including supporting beams and joists		0					
Roof Ceiling Assembly							
Column Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS			
FIRE SEPARATION DISTANCE (FEET FROM PROPERTY LINES)	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

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 • Northern Virginia
 • Virginia Beach, VA

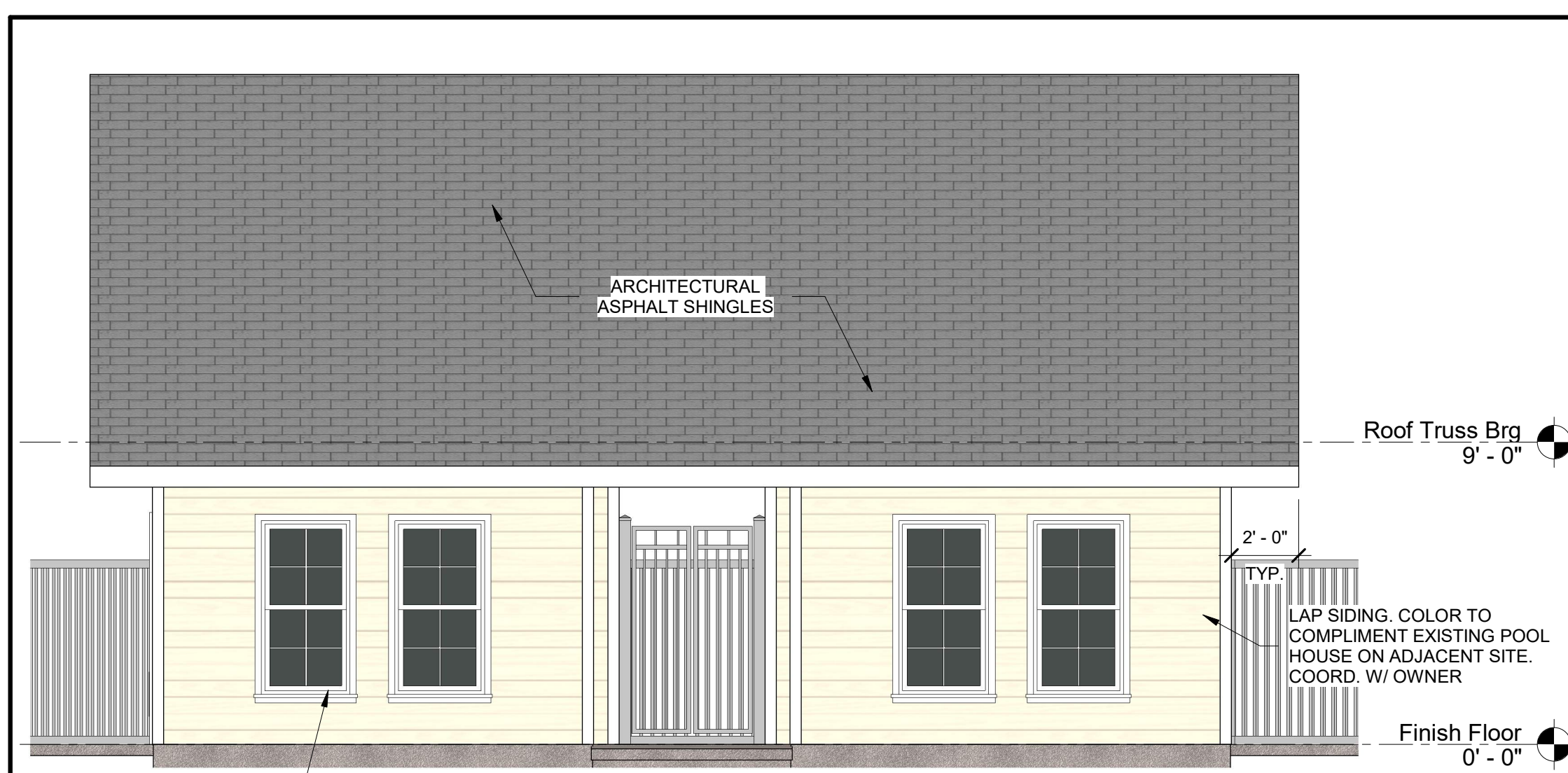
APPENDIX B
 Lexington Plantation Pool House
 400 Centennial Parkway Cameron, NC 28326

REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED BY: CGH
 DRAWN BY: CGH
 CHECKED BY: AC
 SCALE: _____
 DATE: 8/11/22
 PROJECT NUMBER: 2101033

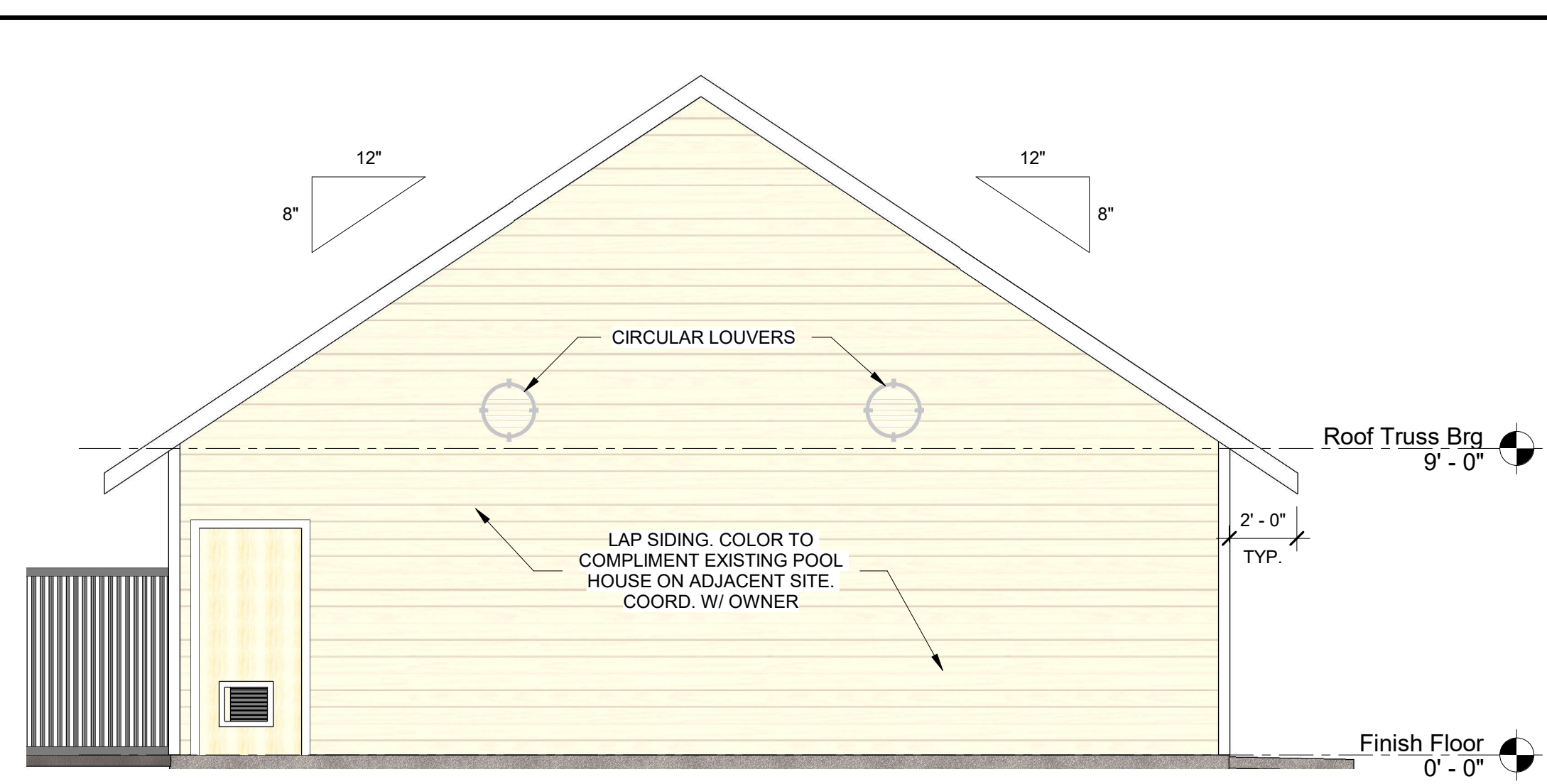
DRAWING LIST	
SHEET NUMBER	SHEET NAME
A0.1	APPENDIX B
A1.0	ELEVATIONS & FLOOR PLAN
LS1.0	LIFE SAFETY PLAN
S0.1	GENERAL NOTES
S0.2	APPENDIX B
S1.0	FOUNDATION & FRAMING PLANS

A0.1



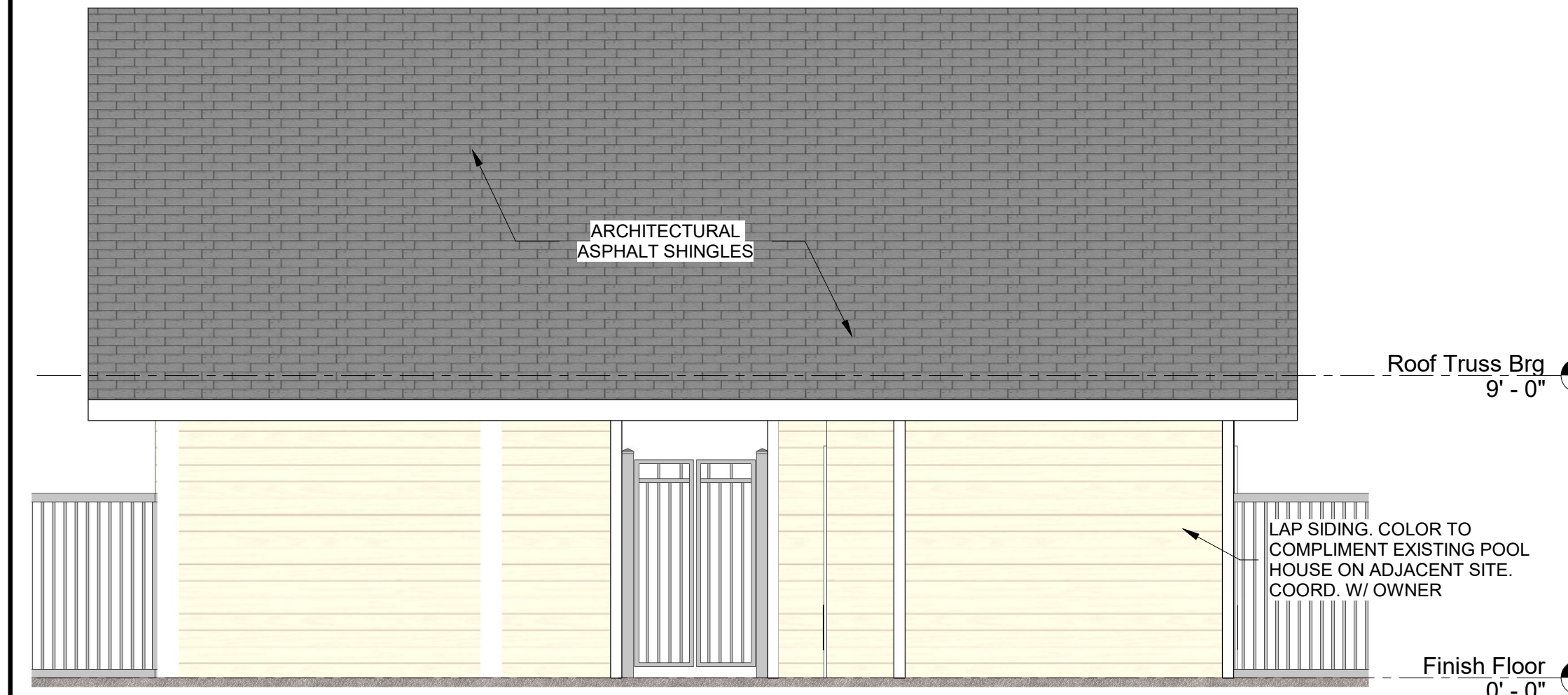
FRONT ELEVATION

SCALE: 1/4" = 1'-0"



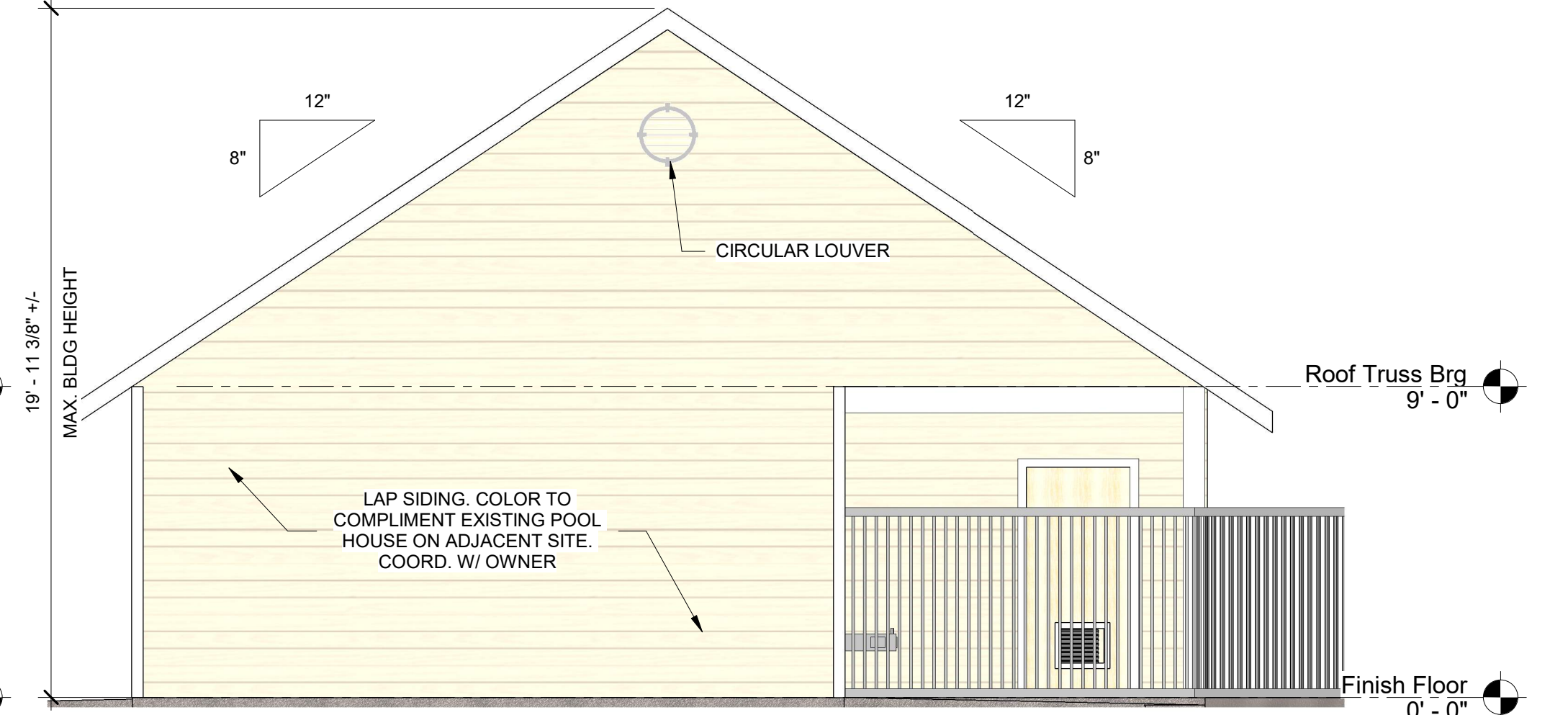
LEFT ELEVATION

SCALE: 1/4" = 1'-0"



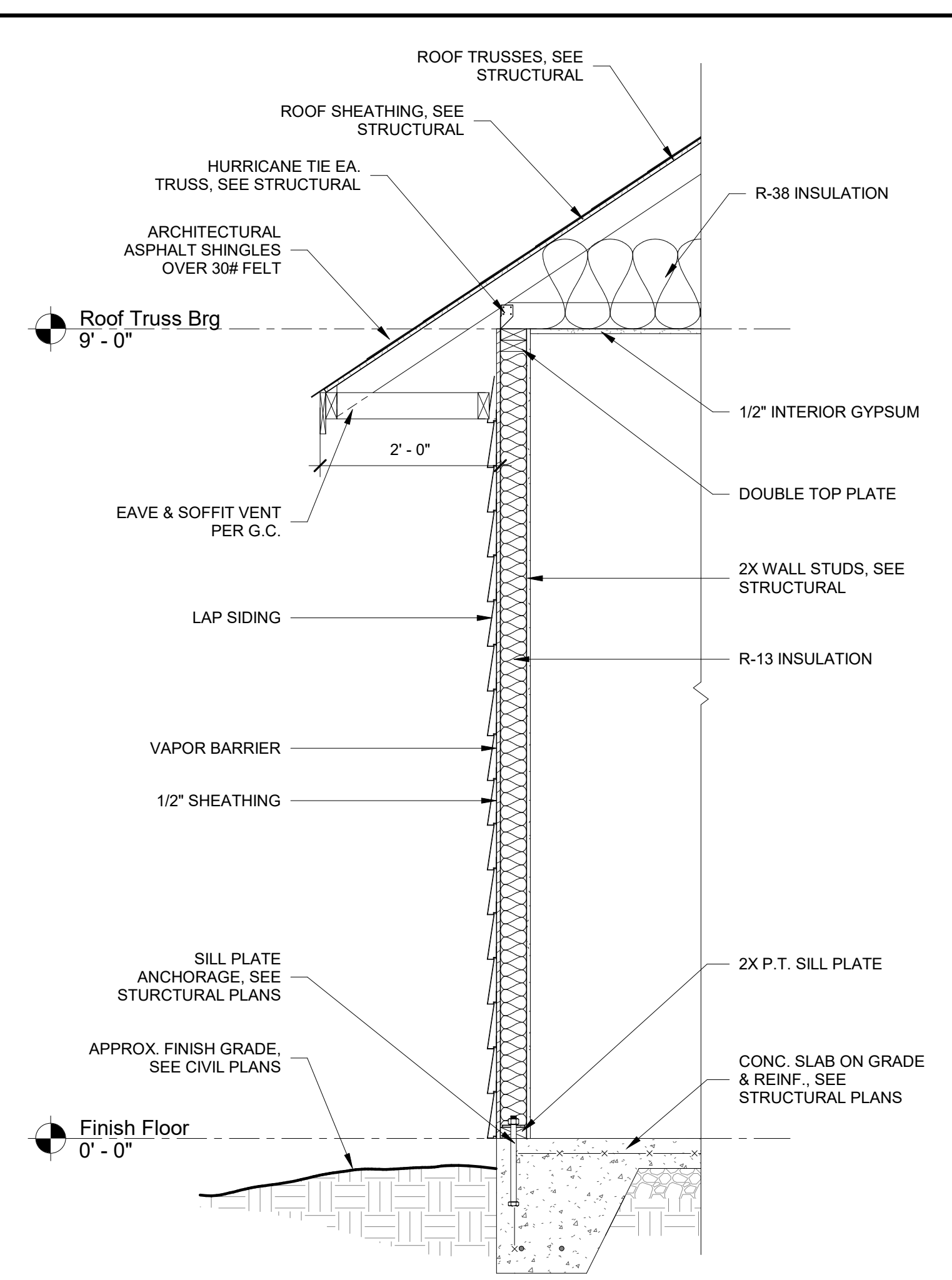
REAR ELEVATION

SCALE: 1/4" = 1'-0"



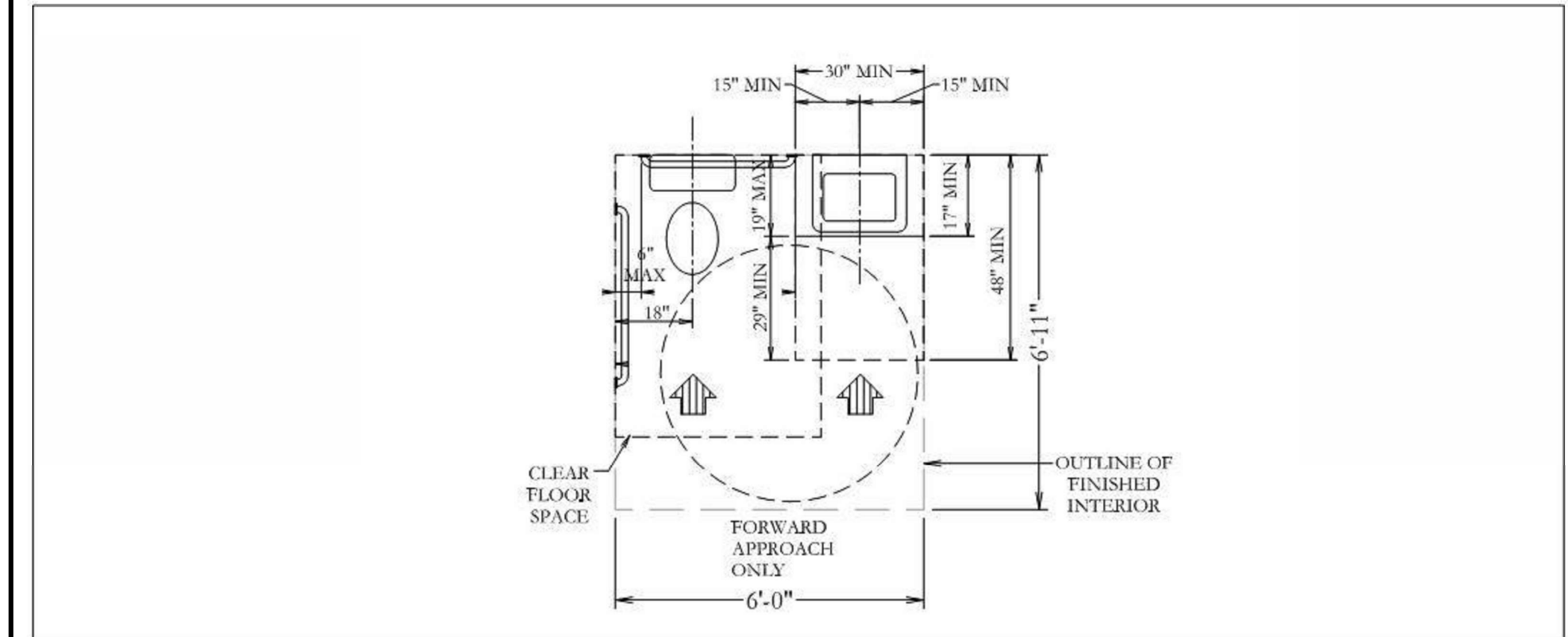
RIGHT ELEVATION

SCALE: 1/4" = 1'-0"

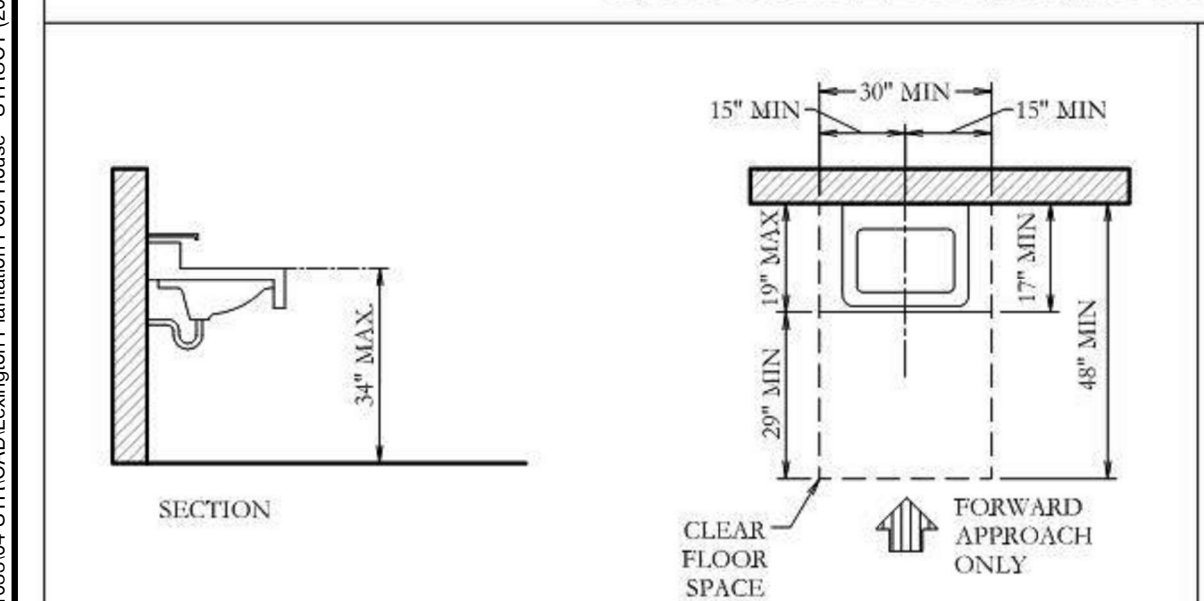


TYP. WALL SECTION

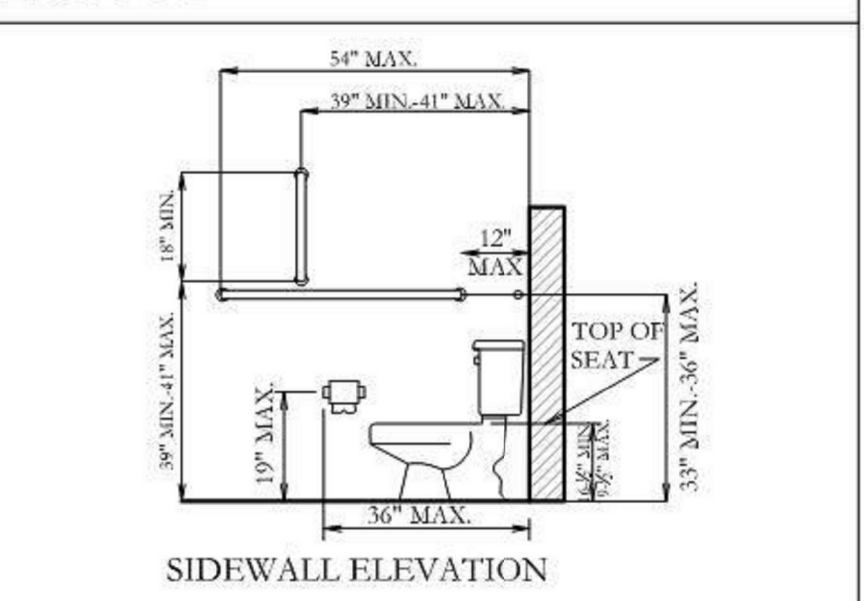
SCALE: 3/4" = 1'-0"



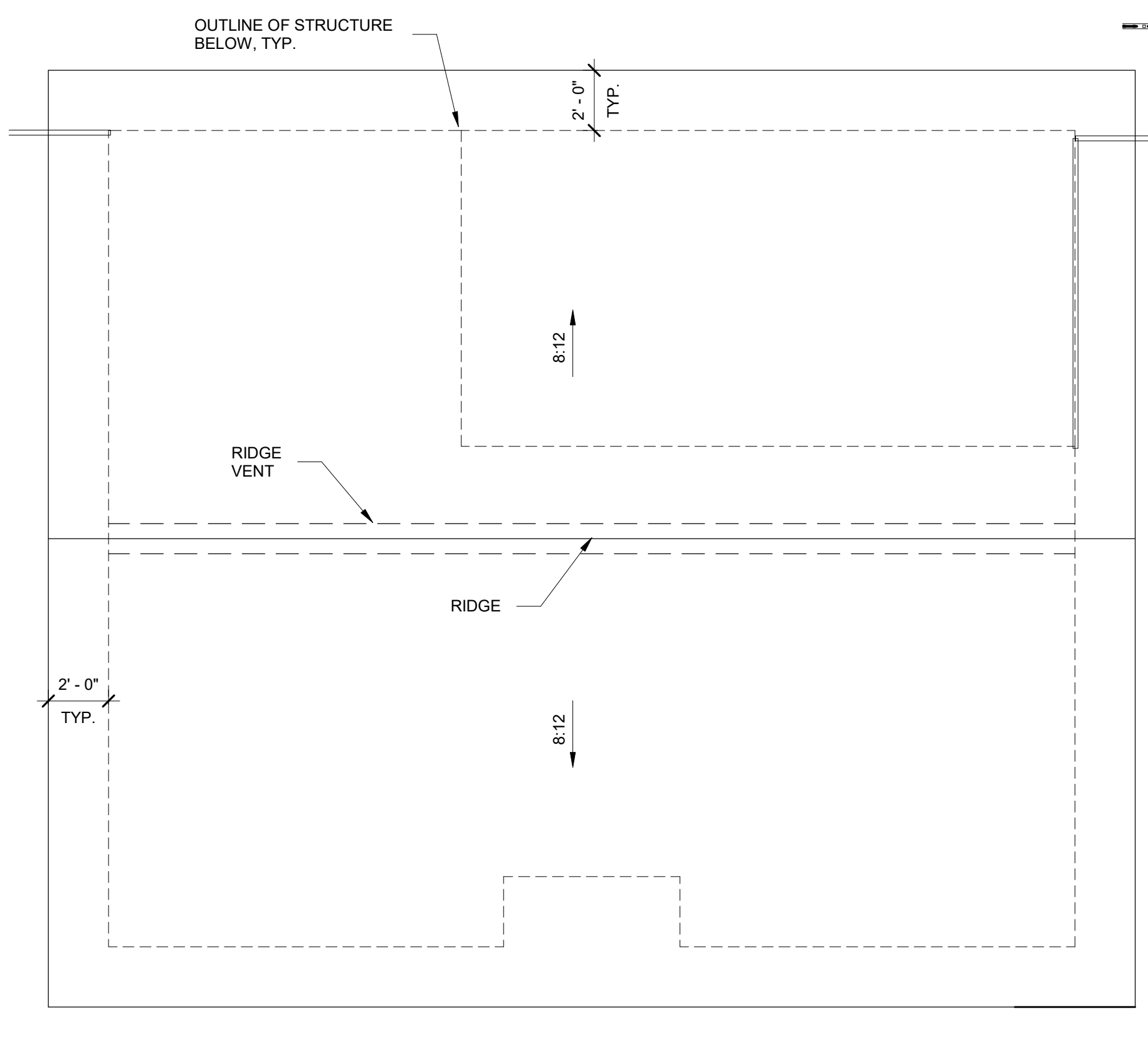
ACCESSIBLE BATHROOM LAYOUT



SINKS

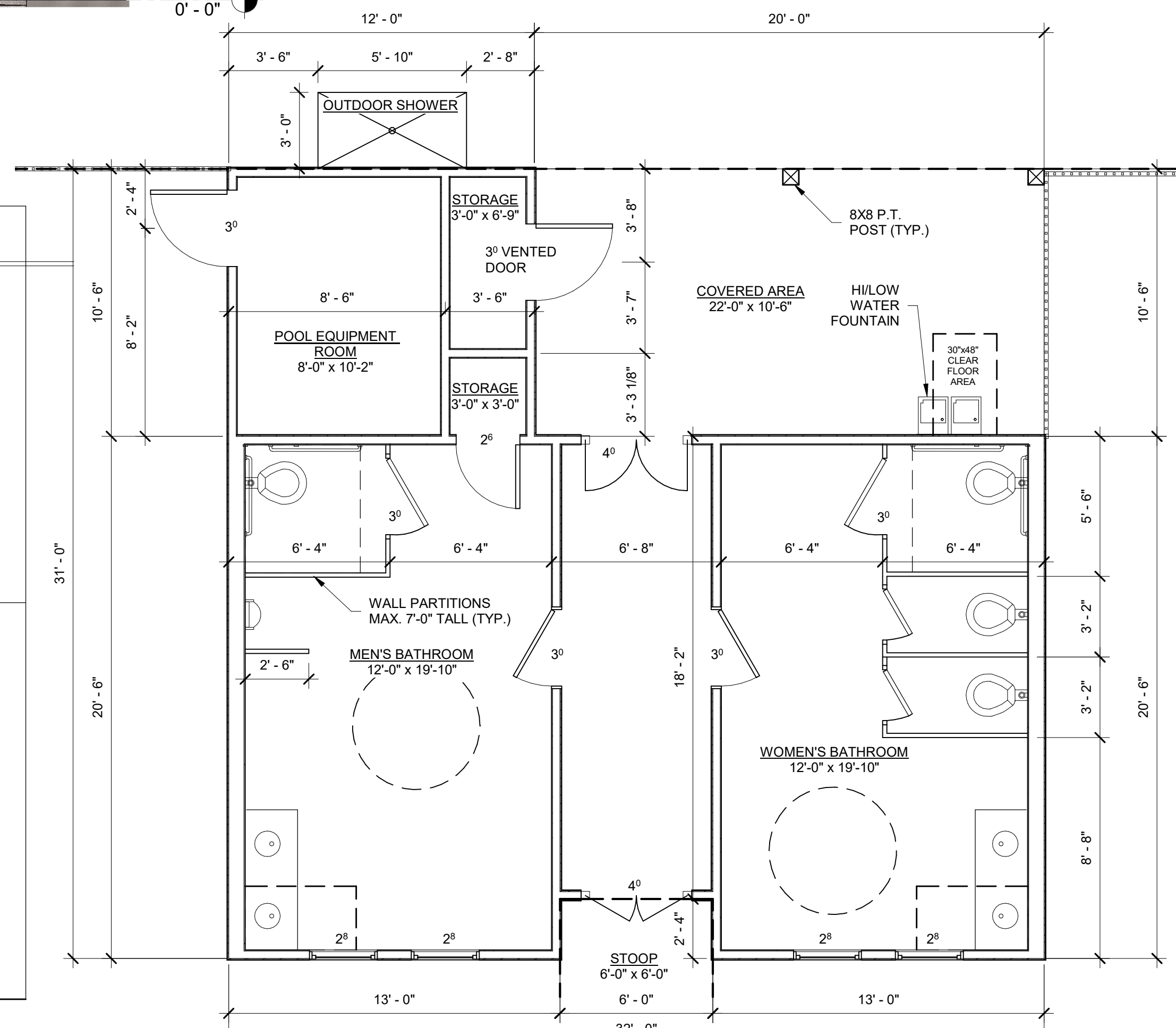


TOILET ACCESSORIES



ROOF PLAN

SCALE: 1/4" = 1'-0"



FLOOR PLAN

SCALE: 1/4" = 1'-0"

NOTE:
ALL DIMENSIONS TO EXTERIOR WALLS
ARE TO OUTSIDE FACE OF STUD, TYP.

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ELEVATIONS & FLOOR PLAN

Lexington Plantation Pool House

400 Centennial Parkway Cameron, NC 28326

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NO.	DESCRIPTION	DATE

DESIGNED BY: CGH
 DRAWN BY: CGH
 CHECKED BY: AC
 SCALE: As indicated
 DATE: 8/11/22
 PROJECT NUMBER: 2101033

A1.0

P:\2021\10\2021-10\2021-10\STR-CAD\Lexington Plantation Pool House - STRUCT (2023).dwt

BUILDING CODE NOTES:

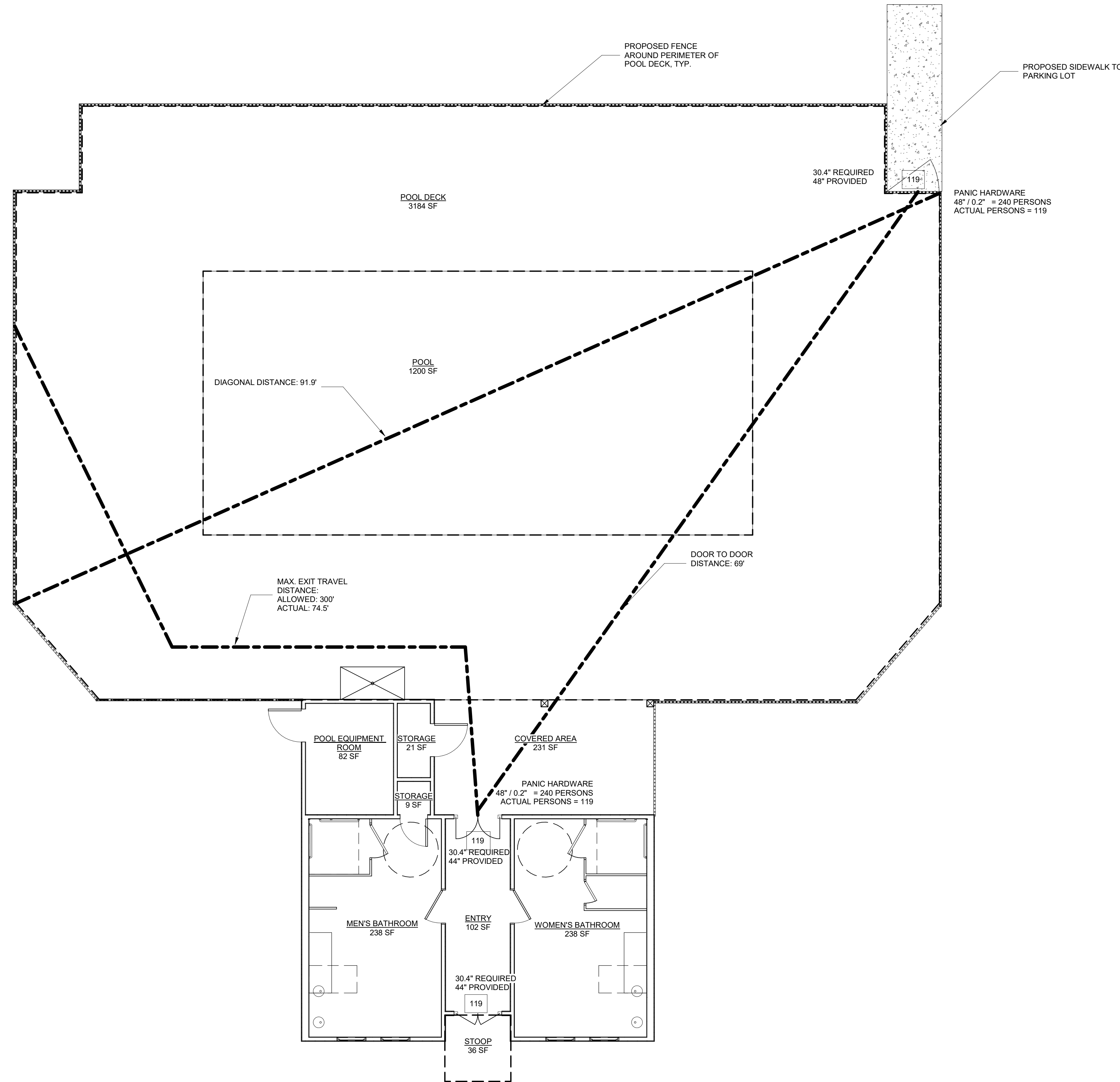
1. APPLICABLE CODES: 2018 NORTH CAROLINA STATE BUILDING CODE/ 2015 INTERNATIONAL BUILDING CODE
2. OCCUPANCY CLASSIFICATION:
PROPOSED BUILDING USE: ANCILLARY STRUCTURE TO SERVICE COMMUNITY POOL
PROPOSED CLASSIFICATION: U - UTILITY AND MISCELLANEOUS (POOL HOUSE)
A - ASSEMBLY (POOL & POOL DECK)
3. CONSTRUCTION TYPE:
PROPOSED: TYPE VB CONSTRUCTION, NON-SPRINKLERED
4. HEIGHT AND AREA LIMITATIONS:
AREA:
TABULAR AREA (TABLE 506.2): 5,500 SF
ALLOWABLE AREA (100% OPEN PERIMETER): 5,500 SF

ACTUAL AREA:
PROPOSED AREA: GROSS SF 992 GSF NET SF 588 NSF
* NET SF = AREA INSIDE EXTERIOR WALLS

HEIGHT:
ALLOWABLE HEIGHT (TABLE 504.3): 40'-0" (1 STORY)
PROPOSED HEIGHT: 20'-0" (1 STORY)
5. OCCUPANT LOAD:
USE SIZE OCC'S PER SF OCCS.
POOL 1,200 SF 1 OCC PER 50 SF 24
POOL DECK 3,184 SF 1 OCC PER 15 SF 213
TOTAL: 237

NOTE: POOL HOUSE SQUARE FOOTAGE IS CONSIDERED NON-SIMULTANEOUS OCCUPANCY
6. MEANS OF EGRESS
SPACE EXITS REQ'D EXITS PROVIDED
POOL + POOL DECK 2 2

ELEMENT WIDTH REQ'D WIDTH PROVIDED
POOL GATE TO PARKING LOT 30.4 48"
POOL GATES AT FRONT OF BLDG 30.4 44"



LIFE SAFETY PLAN

SCALE: 3/16" = 1'-0"

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LS1.0

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DESIGN CRITERIA:

- DESIGNED UNDER THE PROVISIONS OF THE 2018 NORTH CAROLINA STATE BUILDING CODE/INTERNATIONAL BUILDING CODE(IBC) 2015/ASCE 7-10
- DESIGN LOADS:
LIVE LOADS:
ROOF LIVE LOAD = 20 PSF
FIRST FLOOR SLAB ON GRADE = 100 PSF
SNOW LOADS:
DESIGN GROUND SNOW LOAD, Pg = 10 PSF
SNOW EXPOSURE FACTOR, Ce = 1.0
SNOW IMPORTANCE FACTOR, Is = 1.0??
THERMAL FACTOR, Ct = 1.2
FLAT ROOF SNOW LOAD, Pf = 8.4 PSF
WIND LOAD (ULTIMATE):
DESIGN WIND VELOCITY,V3S = 120 MPH
RISK CATEGORY: = II
WIND IMPORTANCE FACTOR, Iw = 1.0
EXPOSURE: = C
INTERNAL PRESSURE COEF: = ±0.18
EDGE STRIP, a = 3 FT
END ZONE, Za = 6 FT
MAIN WINDFORCE RESISTING SYSTEM DESIGN PRESSURES:
INTERIOR ZONE: WALL: = 24.7 PSF
ROOF: = 17 PSF
END ZONE: WALL: = 31.1 PSF
ROOF: = 21.3 PSF
COMPONENT AND CLADDING WIND PRESSURES: (A= 100 SF)
NET ROOF UPLIFT AT CORNER = -36.7 PSF
NET ROOF UPLIFT AT EDGE STRIP = -36.7 PSF
NET ROOF UPLIFT AT INTERIOR = -31.4 PSF
WALL PRESSURE AT CORNER = -42 PSF
WALL PRESSURE AT INTERIOR = -34 PSF
WIND BASE SHEAR = 10.6 KIPS ULTIMATE (PLAN N-S)
= 5.1 KIPS ULTIMATE (PLAN E-W)
SEISMIC LOAD (ULTIMATE):
SEISMIC SITE CLASSIFICATION: = D
SEISMIC DESIGN CATEGORY: = C
RISK CATEGORY: = II
SEISMIC IMPORTANCE FACTOR, Ie = 1.0
DESIGN EARTHQUAKE:
Ss = 20.5 % g
S1 = 9.3 % g
Sds = 0.219g
Sd1 = 0.149g
SEISMIC ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE WITH DYNAMIC CHARACTERISTICS
LATERAL FORCE RESISTING SYSTEM: LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
RESPONSE MODIFICATION COEFFICIENT, R = 6.5
DEFLECTION AMPLIFICATION FACTOR, Cd = 4
SEISMIC BASE SHEAR = 1 KIPS ULTIMATE
WIND FORCE GOVERNS LATERAL DESIGN
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER TRADES DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COMPARE AND VERIFY STRUCTURAL DRAWINGS AND SPECIFICATIONS w/ ARCHITECTURAL AND ALL OTHER TRADES DWGS., SPECIFICATIONS, AND REQUIREMENTS AND REPORT ANY DISCREPANCY TO THE STRUCTURAL ENGINEER AND DESIGN TEAM PRIOR TO DEMOLITION, FABRICATION, AND / OR INSTALLATION OF ANY STRUCTURAL MEMBERS.
- VERIFY NUMBER, SIZE, AND LOCATION OF ALL ROOF OPENINGS FROM APPROVED SHOP DRAWINGS.
- NO LOADS IN EXCESS OF DESIGN LOADS LISTED SHALL BE PLACED ON ANY AREA DURING CONSTRUCTION UNLESS ADEQUATE SHORING OR OTHER METHOD IS APPROVED TO SUPPORT THE EXCESSIVE LOADS. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE UNTIL PERMANENT BRACING IS COMPLETED.
- WHERE ALIGNMENT OF MATERIALS SUCH AS WALLS AND FACING MATERIALS WILL BE AFFECTED BY DEFLECTIONS AND ROTATIONS OF THE STRUCTURE DURING PLACEMENT OF THE MATERIALS, PROCEDURES SHALL BE USED WHICH WILL ASSURE THE CORRECT FINAL POSITIONS OF MATERIALS.
- ALL NOTES ON STRUCTURAL DRAWINGS SHALL BE ASSUMED TYPICAL UNLESS NOTED OTHERWISE ON DRAWINGS OR SPECIFICATIONS.
- SECTIONS AND DETAILS ARE TO BE USED IN ALL SIMILAR LOCATIONS UNLESS OTHERWISE SHOWN BY OTHER DETAILS AND/OR SECTIONS.
- SEE ARCHITECTURAL DRAWINGS FOR WEATHERPROOFING DETAILS.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION OF CONSTRUCTION OF THE PROJECT AND THEN, ONLY TO SUPPORT THE DESIGN LOADS INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION AND FOR THE ADEQUACY OF THE STRUCTURE TO SUPPORT LOADS OCCURRING DURING CONSTRUCTION. FURNISH ALL TEMPORARY BRACING, SHORING, AND/OR SUPPORT AS REQUIRED.
- CHECK ALL DIMENSIONS AGAINST THE REQUIREMENTS OF OTHER CONTRACT DOCUMENTS. RESOLVE APPARENT INCONSISTENCIES IN THE CONTRACT DOCUMENTS WITH THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH WORK.
- PROMPTLY NOTIFY THE ENGINEER OF ANY STRUCTURAL MEMBER CALLED OUT ON THE ARCHITECTURAL, MECHANICAL, PLUMBING, OR ELECTRICAL DRAWINGS THAT IS NOT IDENTIFIED ON THE STRUCTURAL DRAWINGS.
- WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE ENTIRETY OF THE STRUCTURAL SUBMITTAL (CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, SPECIFICATIONS, SECTIONS, ETC.) THE STRICTEST REQUIREMENTS, AS INDICATED BY THE STRUCTURAL ENGINEER, SHALL GOVERN. U.N.O.

SUBMITTALS FOR APPROVAL:

CONCRETE:

- PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
- DESIGN MIXTURES: FOR EACH CONCRETE MIXTURE.
- STEEL REINFORCEMENT SHOP DRAWINGS: PLACING DRAWINGS THAT DETAIL FABRICATION, BENDING, AND PLACEMENT.

WOOD PRE-ENGINEERED TRUSSES:

- PRODUCT DATA: FOR METAL-PLATE CONNECTORS, METAL TRUSS ACCESSORIES, AND FASTENERS.
- SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS FOR TRUSSES.
- SHOW LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED.
- INDICATE SIZES, STRESS GRADES, AND SPECIES OF LUMBER.
- INDICATE LOCATIONS OF PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.
- INDICATE LOCATIONS, SIZES, AND MATERIALS FOR PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.
- INDICATE TYPE, SIZE, MATERIAL, FINISH, DESIGN VALUES, ORIENTATION, AND LOCATION OF METAL CONNECTOR PLATES.
- SHOW SPLICE DETAILS AND BEARING DETAILS.
- DELEGATED-DESIGN SUBMITTAL: FOR METAL-PLATE-CONNECTED WOOD TRUSSES INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.

WOOD ENGINEERED CONSTRUCTION:

- ENGINEERED WOOD PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

WOOD EXTERIOR CARPENTRY:

- PRODUCT DATA: FOR PRESERVATIVE-TREATED WOOD PRODUCTS.

GENERAL STRUCTURAL NOTES AND SPECIFICATIONS

SPECIAL INSPECTIONS:

- SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 NORTH CAROLINA STATE BUILDING CODE. AN APPROVED SPECIAL INSPECTION AGENCY SHALL BE PROVIDED BY THE OWNER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL INSPECTION PROCEDURES WITH THE OWNER AND THE OWNER'S AGENT. A FINAL REPORT OF INSPECTIONS DOCUMENTING COMPLETION OF ALL WORK SHALL BE SUBMITTED TO THE CODE OFFICIAL.
- SPECIAL INSPECTIONS FOR CONCRETE CONSTRUCTION SHALL MEET REQUIREMENTS OF SECTION 1705.3 AND TABLE 1705.3.
- SPECIAL INSPECTIONS FOR WOOD CONSTRUCTION SHALL MEET REQUIREMENTS OF SECTION 1705.5.

DIVISION 3:

CONCRETE NOTES:

- ALL DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL, FORM WORK, MIXING, HANDLING, PLACING, FINISHING, AND CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315) AND ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318).
- CONCRETE SHALL CONFORM TO ASTM C94. MINIMUM STRENGTH AT 28 DAYS SHALL BE 3000 PSI FOR FOOTING CONCRETE AND 4000 PSI FOR ALL OTHER CONCRETE. FOR CONCRETE OTHER THAN SLABS ON GRADE, MAXIMUM WATER-TO-CEMENT RATIO SHALL BE 0.60 WITH MAXIMUM SLUMP OF 4 INCHES. MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 3/4 INCH, AND ALL AGGREGATES SHALL CONFORM TO ASTM C33.
- CONCRETE SLABS ON GRADE SHALL BE FINISHED TO THE FOLLOWING TOLERANCES:
MINIMUM LOCALIZED: FF=25 FL=20
FF=15 FL=10
- EXTERIOR CONCRETE SHALL BE AIR ENTRAINED, AIR CONTENT TO BE BETWEEN 5 AND 7 PERCENT BY VOLUME.
- ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 (S1), NEW BILLET STEEL DEFORMED BARS, GRADE 60. UNLESS NOTED OTHERWISE, ALL REINFORCING BAR SPLICES SHALL BE ACI CLASS B TENSION LAP SPLICES, U.N.O. WELDED WIRE FABRIC (W.W.F.) SHALL MEET ASTM A1064. MINIMUM W.W.F. LAP AT SPLICES SHALL BE 8 INCHES.
- THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT NEAREST THE DESCRIBED SURFACE, UNLESS NOTED OTHERWISE:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
- COORDINATE LOCATIONS AND DEPTHS OF ALL FLOOR SLAB DEPRESSIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
- UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL HAVE EITHER CONSTRUCTION JOINTS OR SAW CUT JOINTS SPACED SO THE JOINTS FORM PANELS IN THE SLAB WITH NO SLAB PANEL GREATER THAN 144 SQUARE FEET NOR MORE THAN 12 FEET IN ANY ONE DIRECTION. INSTALL SAW CUT CONSTRUCTION JOINTS AS SOON AS THE SLAB IS CAPABLE OF BEING SAWN WITHOUT RAVELING, BUT IN NO CASE LATER THAN 8 HOURS AFTER FINAL FINISHING BEGINS. CONTRACTOR TO SUBMIT ONE PLAN SHOWING CONSTRUCTION AND CONTROL JOINT LAYOUT FOR ALL SLABS ON GRADE.
- INTERIOR SLAB CONCRETE SHALL RECEIVE A STEEL TROWEL FINISH. IMMEDIATELY FOLLOWING FINISHING, THE CONCRETE SHALL BE PROTECTED FROM PREMATURE OR EXCESSIVE DRYING, TEMPERATURE EXTREMES AND INJURY.
- CAST SIX CYLINDERS OF EACH CONCRETE POUR. TEST TWO CYLINDERS SEVEN DAYS AFTER CASTING AND TWO 28 DAYS AFTER CASTING. HOLD TWO CYLINDERS FOR POSSIBLE TEST UNTIL 60 DAYS AFTER CASTING. DISPOSE OF CYLINDERS IF TEST IS NOT REQUESTED. SEND REPORTS TO ARCHITECT, CONTRACTOR AND STRUCTURAL ENGINEER.

DIVISION 5:

POST INSTALLED ANCHORS AND DOWELS NOTES:

- ANCHOR OR DOWEL CAPACITY USED IN CONSTRUCTION SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY THE MANUFACTURER OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.
- INSTALL ANCHORS AND DOWELS STRICTLY IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS.
- ANCHOR CAPACITY DEPENDS ON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH THE SPACING AND EDGE CLEARANCES INDICATED ON THE PROJECT DRAWINGS, AND MANUFACTURER REQUIREMENTS.
- INSTALL ANCHORS AND DOWELS IN HOLES DRILLED PER MANUFACTURER REQUIREMENTS, TO DEPTH INDICATED, AND NOT LESS THAN MINIMUM EMBEDMENT DEPTH RECOMMENDED BY ADHESIVE MANUFACTURER. HOLES SHALL BE CLEANED AND BLOWN OUT PER MANUFACTURER REQUIREMENTS. HOLES SHALL BE KEPT FREE AND CLEAR OF DIRT, DEBRIS, AND MOISTURE UNTIL ADHESIVE AND DOWEL OR ANCHOR IS INSTALLED. ADHESIVE AND DOWELS OR ANCHORS SHALL BE INSTALLED DURING THE SAME WORK DAY THAT HOLES ARE CORED. CONTRACTOR SHALL PROVIDE CONTINUOUS INSPECTION DURING CORING AND INSTALLATION OF THE FIRST 10% OF ANCHORS INSTALLED, AFTER WHICH TIME PERIODIC INSPECTION SHALL BE PROVIDED.
- ADHESIVE ANCHOR SHALL CONSIST OF THREADED ROD, NUT, WASHER, AND ADHESIVE.
THREADED ROD: ASTM A36
NUTS: ASTM A563
WASHERS: ASTM F436
ADHESIVE: SPECIFIED HILTI ADHESIVE, OR EQUAL.
CORROSION PROTECTION: ROD, NUT, AND WASHER SHALL BE ZINC PLATED PER ASTM B633 FOR SERVICE CONDITION SC-1, OR ZINC COATED BY MECHANICAL PROCESS IN ACCORDANCE WITH ASTM B695.
- ADHESIVE DOWEL SHALL CONSIST OF REINFORCING BAR AND ADHESIVE.
REINFORCING BAR: ASTM A615 GRADE 60 DEFORMED BAR
ADHESIVE: SPECIFIED HILTI ADHESIVE, OR EQUAL.
- INSTALL SCREW ANCHORS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN PROCEDURES. SCREW ANCHORS SHALL BE EMBEDDED IN GROUDED MASONRY AND SHALL NOT BE INSTALLED IN MASONRY BED OR HEAD JOINTS. SCREW ANCHORS SHALL BE ZINC PLATED PER ASTM B633 FOR SERVICE CONDITION SC-1, OR ZINC COATED BY MECHANICAL PROCESS IN ACCORDANCE WITH ASTM B695.

DRAPER ADEN ASSOCIATES REVIEW

THESE PLANS HAVE BEEN SUBJECTED TO TECHNICAL AND QUALITY REVIEWS BY:

CHRISTOPHER G. HERNDON, PE		7/9/21
NAME: PRINTED	SIGNATURE	DATE
PROJECT ENGINEER		
CHRISTOPHER G. HERNDON, PE		7/9/21
NAME: PRINTED	SIGNATURE	DATE
PROJECT MANAGER		
DAVID W. SPRIGGS, PE		7/9/21
NAME: PRINTED	SIGNATURE	DATE
QUALITY REVIEWER		

DIVISION 6:

STRUCTURAL (ROUGH) CARPENTRY NOTES:

- WOOD FOR STUDS, BEAMS, JOISTS, HEADERS, AND PLATES SHALL BE NO. 2 SOUTHERN YELLOW PINE, WITH MOISTURE CONTENT NOT TO EXCEED 15%. ALL WOOD LINTELS AND HEADERS SHALL HAVE NO SPLITS.
- PLYWOOD SHALL BE APA RATED SHEATHING WITH EXTERIOR GLUE. WHERE ROOF SHEATHING PANEL EDGES ARE NOT BLOCKED, INSTALL (1) PLYWOOD SHEATHING CLIP AT EACH SPANNING PANEL EDGE.
- ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, GROUND, OR EXPOSED TO WEATHER / MOISTURE, SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD U1.
- WOOD ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED BY A MEMBER FIRM OF THE TRUSS PLATE INSTITUTE TO CARRY THE FULL DEAD AND LIVE LOADS INDICATED AT THE INDICATED SPACINGS AND SPANS. TRUSSES SHALL BE SECURELY BRACED DURING ERECTION AS WELL AS WITH PERMANENT BRACING, SUCH THAT TRUSSES ARE PLUMB AND STRAIGHT UNDER ALL INDICATED DEAD, LIVE, AND LATERAL LOADS. ENGINEERING DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. SEE FRAMING NOTES.
- UNLESS NOTED OTHERWISE, ALL FASTENING TO STRUCTURAL WOOD SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 OF THE 2018 NORTH CAROLINA BUILDING CODE. CONNECTIONS OF TRUSSES TO WOOD PLATES OR NAILER BEARINGS SHALL BE WITH STANDARD SIMPSON "HURRICANE" ANCHORS OR EQUAL.
- WHERE INDICATED "MICROLLAM" LVL LUMBER SHALL BE EQUAL TO THAT AS MANUFACTURED BY THE TRUS JOIST CORPORATION, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S STANDARDS.

PRE-ENGINEERED WOOD TRUSS NOTES:

- REFER TO DESIGN CRITERIA NOTES IN CONJUNCTION WITH THESE NOTES.
- ALL ROOF MEMBERS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES, ETC. WOOD ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED BY A MEMBER FIRM OF THE TRUSS PLATE INSTITUTE, TO CARRY THE FULL DEAD AND LIVE LOADS INDICATED AT THE INDICATED SPACINGS AND SPANS. TRUSSES SHALL BE SECURELY BRACED DURING ERECTION AS WELL AS WITH PERMANENT BRACING, SUCH THAT TRUSSES ARE PLUMB AND STRAIGHT UNDER ALL INDICATED DEAD, LIVE, AND LATERAL LOADS. ALL WOOD ROOF TRUSSES, METAL CONNECTORS, HANGERS, ETC., REQUIRED FOR THE COMPLETE ROOF FRAMING SYSTEM SHALL BE DESIGNED AND SPECIFIED BY TRUSS MANUFACTURER'S STRUCTURAL ENGINEER. TRUSS MANUFACTURER SHALL SUBMIT DETAILED SHOP DRAWINGS AND CALCULATIONS BEARING STRUCTURAL ENGINEER'S STAMP PRIOR TO FABRICATION.
- WOOD ROOF TRUSS SYSTEM SHALL BE FABRICATED TO PROVIDE THE ROOF LINES INDICATED ON THE ARCHITECTURAL PLANS, SECTIONS, AND ELEVATIONS.
- ROOF TRUSSES ARE NOT STABLE UNTIL PROPERLY BRACED AND SHEATHED. PROPER HANDLING, SAFETY PRECAUTIONS, AND TEMPORARY BRACING ARE THE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY BRACING DURING CONSTRUCTION IS REQUIRED, AND SHALL BE PROVIDED BY CONTRACTOR, IN ADDITION TO THE PERMANENT BRACING NEEDED TO REDUCE BUCKLING LENGTH OF INDIVIDUAL MEMBER. CONTRACTOR SHALL ENSURE THAT ALL TRUSSES ARE STABLE AND PLUMB DURING INSTALLATION OF PERMANENT BRACING.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY BRACE ROOF FRAMING INCLUDING BOTH TEMPORARY AND PERMANENT BRACING, EVEN THOUGH ALL BRACING MAY NOT NECESSARILY BE SHOWN ON THESE DRAWINGS. BRACING SHOWN ON ROOF FRAMING PLAN, BUILDING CROSS SECTIONS, ETC., AND ROOF TRUSS MANUFACTURER'S SHOP DRAWINGS IS SPECIAL BRACING REQUIRED IN ADDITION TO NORMAL BRACING RECOMMENDATIONS.
- PERMANENT TRUSS TOP CHORD BRACING: PLYWOOD ROOF SHEATHING
- PERMANENT TRUSS CHORD BOTTOM CHORD BRACING: GYPSUM BOARD CEILING OR RIGID SOFFIT. PROVIDE CONTINUOUS 2x4 BOTTOM CHORD BRIDGING AT 10 FT. MAX ON CENTER WHERE GYPSUM BOARD CEILING OR RIGID SOFFIT DOES NOT EXIST. ANCHOR EACH END OF EACH LINE OF CONTINUOUS BOTTOM CHORD BRIDGING WITH DIAGONAL BRACING TO FORM A "BRACED BAY" ACROSS STRUCTURE IN THE PLANE OF THE BOTTOM CHORD.
- PERMANENT TRUSS VERTICAL WEB BRACING: 2x4 CROSS BRACING INSTALLED IN THE PLANE OF THE WEBS AS TRUSSES ARE ERECTED. AT EACH WEB REQUIRING BOTTOM CHORD BRIDGING, BUT NOT TO EXCEED 18 FOOT INTERVALS ALONG LENGTH OF TRUSS.
- TYPICAL BRACING MEMBERS TO BE 2x4 (MINIMUM) CONNECTED TO TRUSS WITH MIN. (2) 16d NAILS AT EACH TRUSS. MIN. LENGTH OF EACH BRACING MEMBER TO BE 8 FT. CROSS AND DIAGONAL BRACES TO RUN AT APPROXIMATELY 45 DEGREE ANGLES.
- ALL WOOD ROOF TRUSSES SHALL BE CONNECTED TO BEARING WALL TOP PLATES WITH "SIMPSON STRONG TIE" STANDARD METAL HURRICANE ANCHORS AT EACH END, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- PROVIDE AND INSTALL METAL H CLIPS AT ALL PLYWOOD BUTT JOINTS WHICH OCCUR BETWEEN ROOF TRUSSES OR RAFTERS WHICH ARE SPACED GREATER THAN 16" o.c.
- IT SHALL BE THE ROOF TRUSS MANUFACTURER'S RESPONSIBILITY TO VERIFY WITH THE GENERAL CONTRACTOR THE SIZES, WEIGHTS, AND LOCATIONS, ETC., OF ALL THE EQUIPMENT AND MATERIALS, SUCH AS HVAC EQUIPMENT AND ETC., TO BE LOCATED OR SUSPENDED BELOW ROOF TRUSSES, ETC. AND DESIGN TRUSSES TO SUPPORT THESE ADDITIONAL LOADS.
- COORDINATE WOOD TRUSS TAILS, CANTILEVERS, AND END DIMENSIONS WITH ARCHITECTURAL WALL SECTIONS AND EAVE DETAILS.
- TRUSS DESIGN LOADS U.N.O. OR SCHEDULED SHALL BE AS FOLLOWS:
TOP CHORD LIVE LOAD 20 PSF
BOTTOM CHORD LIVE LOAD 10 PSF (NON-ATTIC AREAS)
20 PSF OR WEIGHT OF MECHANICAL UNITS AS REQUIRED (ATTIC AREAS)
WIND UPLIFT 15 PSF (" OR PER TRUSS MANUFACTURER)
TOP CHORD DEAD LOAD 10 PSF
BOTTOM CHORD DEAD LOAD 10 PSF

DIVISION 31:

FOUNDATION EARTHWORK NOTES:

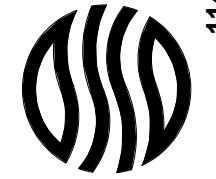
- FOUNDATION SIZES AND ELEVATIONS ARE BASED ON AN ASSUMED ALLOWABLE SAFE SOIL BEARING CAPACITY OF 2,000 PSF. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR STRUCTURALLY COMPACTED FILL OF AT LEAST THIS WORKING SAFE CAPACITY. IF SOIL OF THIS QUALITY IS NOT FOUND AT THE ELEVATIONS INDICATED, FOOTINGS MAY NEED TO BE LOWERED OR ENLARGED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER.
- FOUNDATION PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS MADE BY PROJECT GEOTECHNICAL ENGINEER.
- ALL STRUCTURALLY COMPACTED FILL SHALL BE OF MATERIAL CLASSIFIED CL, ML, SC, SM, SP, SW, GC, GM, OR GW ACCORDING TO ASTM D-2487. FREE FROM CLAY BALLS, TRASH, DEBRIS, OR OTHER DELETERIOUS MATTER.
- AFTER STRIPPING MATERIAL FROM AREA TO BE GRADED, REMOVE ALL UNSUITABLE MATERIAL FROM EXPOSED SUB-GRADE, SUCH AS DEBRIS, TRASH, ORGANIC MATTER, OR SOFT SOIL. SOIL SURFACES RECEIVING COMPACTED STRUCTURAL FILL SHALL BE PROOF-ROLLED WITH A LOADED DUMP TRUCK UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. AREAS EXHIBITING EXCESSIVE PUMPING, WEAVING, OR RUTTING SHALL BE EXCAVATED AND REPLACED WITH COMPACTED STRUCTURAL FILL OR SCARIFIED, DRIED, AND RECOMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL.
- ALL FILL SHALL BE PLACED IN 6"-8" UNCOMPACTED LIFTS (MAXIMUM) AND COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-698 (STANDARD PROCTOR). THE MOISTURE CONTENT OF FILL AT TIME OF PLACEMENT SHALL BE WITHIN +/- 2% OF THE OPTIMUM MOISTURE CONTENT DETERMINED IN THE LABORATORY. COMPACTED FILL SUB-GRADES WITH A SLOPE GREATER THAN 4H:1V SHALL BE BENCHMARKED TO ALLOW PLACEMENT OF HORIZONTAL LIFTS.
- ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED BY THE PROJECT GEOTECHNICAL ENGINEER, AND APPROVED FOR FOOTINGS, PRIOR TO PLACING CONCRETE. ALL FOUNDATIONS SHALL BE CONCRETED PROMPTLY FOLLOWING INSPECTION.
- CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING CONSTRUCTION TO DIRECT WATER AWAY FROM FOUNDATION CONSTRUCTION AREAS. ANY SUB-GRADE SOILS WEAKENED BY THROUGH SATURATION OR DISTURBANCE SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL.
- CONTRACTOR SHALL COORDINATE EXTERIOR SITE WORK, INCLUDING STEPS, WALKS, WALLS, AND FINISHED GRADES, WITH FOUNDATION WORK.



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• Hampton Roads, VA
• Fayetteville, NC
• Northern Virginia
• Charlottesville, VA
• Richmond, VA
• Blacksburg, VA



GENERAL NOTES

Lexington Plantation Pool House
400 Centennial Parkway Cameron, NC 28326

REVISIONS

NO.	DESCRIPTION	DATE
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**2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Lexington Plantation Pool House
 Address: 400 Centennial Parkway Cameron, NC Zip Code 28326
 Owner/Authorized Agent: Village at Lexington Phone # (910) 484 - 5400 E-Mail jamie@littleandyoung.net
 Owned By: HGA City/County Private State
 Code Enforcement Jurisdiction: City County Harnett State

CONTACT: Christopher G. Herndon, PE CWI

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural				()	
Civil	<u>Draper Aden Associates</u>	<u>Andrew P. Mericle, PE</u>	<u>041595</u>	<u>(919) 827-0864</u>	<u>americle@daa.com</u>
Electrical				()	
Fire Alarm				()	
Plumbing	<u>Coastal Plains Engineering, PA</u>	<u>Christopher S. Locklear,</u>	<u>020193</u>	<u>(910) 521-7213</u>	<u>coastalplainseng@gmail.com</u>
Mechanical		<u>PE</u>		()	
Sprinkler-Standpipe				()	
Structural	<u>Draper Aden Associates</u>	<u>Christopher G. Herndon,</u>	<u>043810</u>	<u>(919) 827-0864</u>	<u>cherndon@daa.com</u>
Retaining Walls >5' High		<u>PE CWI</u>		()	
Other				()	

(*Others* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC CODE FOR: New Construction Addition Renovation
 1st Time Interior Completion
 Shell/Core
 Phased Construction - Shell/Core
 Renovation

2018 NC EXISTING BUILDING CODE: Prescriptive Repair Chapter 14
 Alteration: Level I Level II Level III
 Historic Property Change of Use

CONSTRUCTED:(date) _____ ORIGINAL OCCUPANCY(S) (Ch. 3): _____
 RENOVATED: (date) _____ CURRENT OCCUPANCY(S) (Ch. 3): _____
RISK CATEGORY (table 1604.5) Current: I II III IV
 Proposed: I II III IV

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 (check all that apply) I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary) **Flood Hazard Area:** No Yes
 Special Inspections Required: No Yes

2018 NC Administrative Code and Policies Appendix B for Building

**2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (Is) 1.0
 Seismic (Ie) 1.0

Live Loads: Roof 20 psf
 Mezzanine _____ psf
 Floor 100 psf

Ground Snow Load: 10 psf

Wind Load: Ultimate Wind Speed 120 mph (ASCE-7)
 Exposure Category C

SEISMIC DESIGN CATEGORY: A B C D

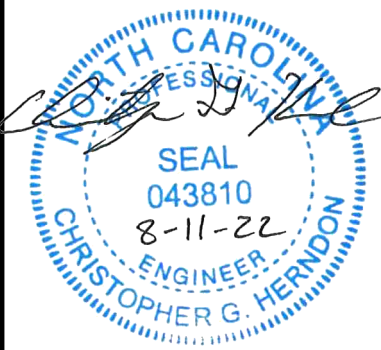
Provide the following Seismic Design Parameters:

Risk Category (Table 1604.5) I II III IV
Spectral Response Acceleration S_s 20.5 %g S₁ 9.3 %g
Site Classification (ASCE 7) A B C D E F
 Data Source: Field Test Presumptive Historical Data
Basic structural system Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum
 Simplified Equivalent Lateral Force Dynamic
Analysis Procedure: Yes No
Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing capacity 2,000 psf
 Pile size, type, and capacity _____

2018 NC Administrative Code and Policies Appendix B for Building



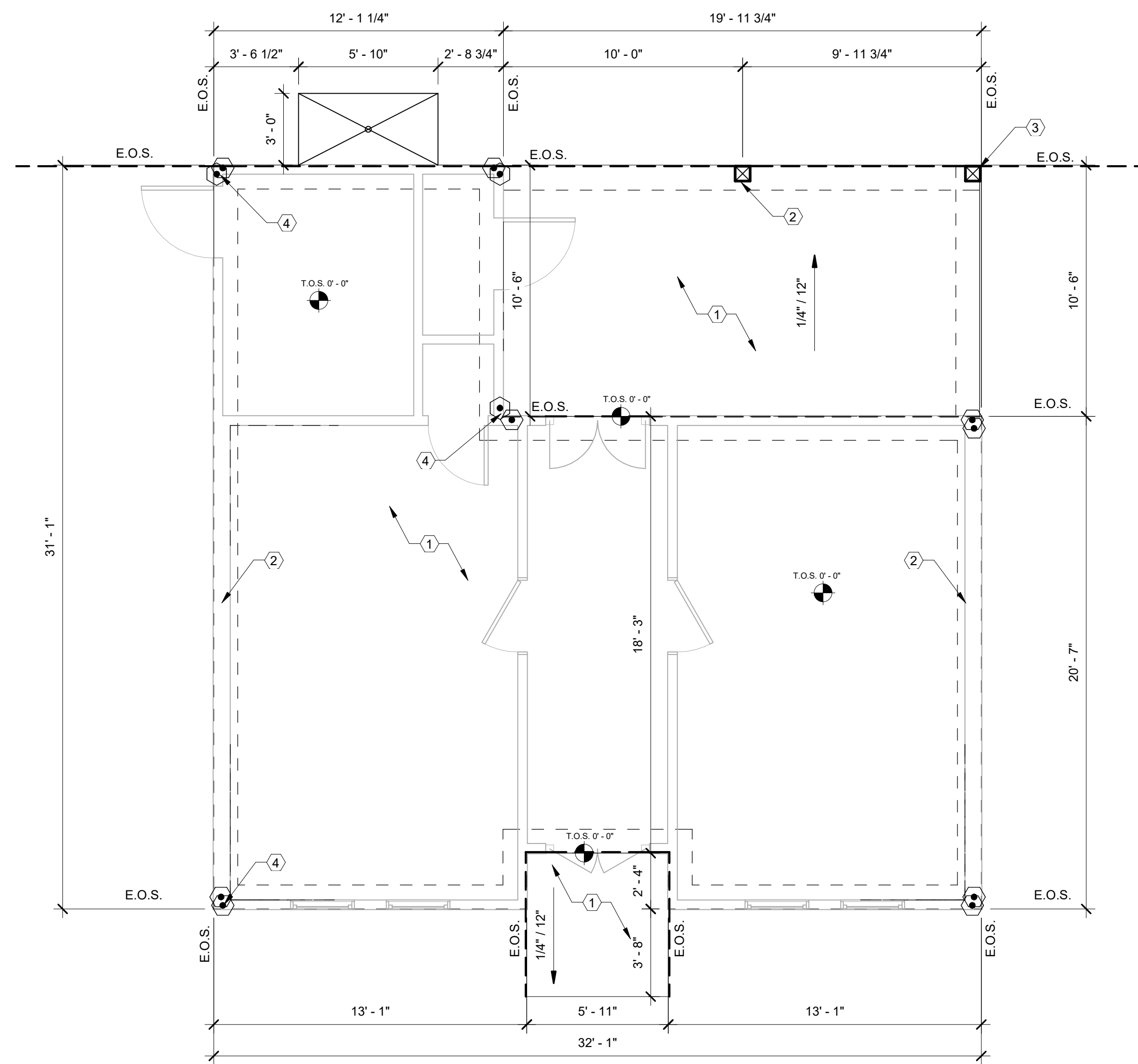
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 NC Firm License # F-1429 • Charlottesville, VA
 • Virginia Beach, VA

APPENDIX B
Lexington Plantation Pool House
 400 Centennial Parkway Cameron, NC 28326

REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED BY: CGH
 DRAWN BY: CGH
 CHECKED BY: DWS
 SCALE:
 DATE: 8/11/22
 PROJECT NUMBER: 2101033

S0.2



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FOUNDATION PLAN GENERAL NOTES:

- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
- SEE ARCH. PLAN FOR TYPICAL WALL SECTION
- CONTRACTOR TO COORDINATE ALL DIMENSIONS, ELEVATIONS AND OPENINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO EXECUTING WORK.
- REFER TO GEOTECHNICAL REPORT FOR ALL SUBGRADE MATERIAL REQUIREMENTS.
- TYPICAL PERIMETER FOUNDATION CONSTRUCTION IS 18" DEEP BY 12" WIDE TURNDOWN SLAB REINFORCED W/ (2) #5 CONT., BOT..
- TYPICAL ANCHOR BOLT OF EXT. STUD WALL SILL PLATE: 5/8" DIA. ANCHOR BOLTS @ 6'-0"o.c. MAX. w/ MIN. 9" EMBEDMENT.
- TYPICAL LAP SPLICE FOR REBAR: 48 BAR DIAMETERS.

FOUNDATION PLAN KEYNOTES:

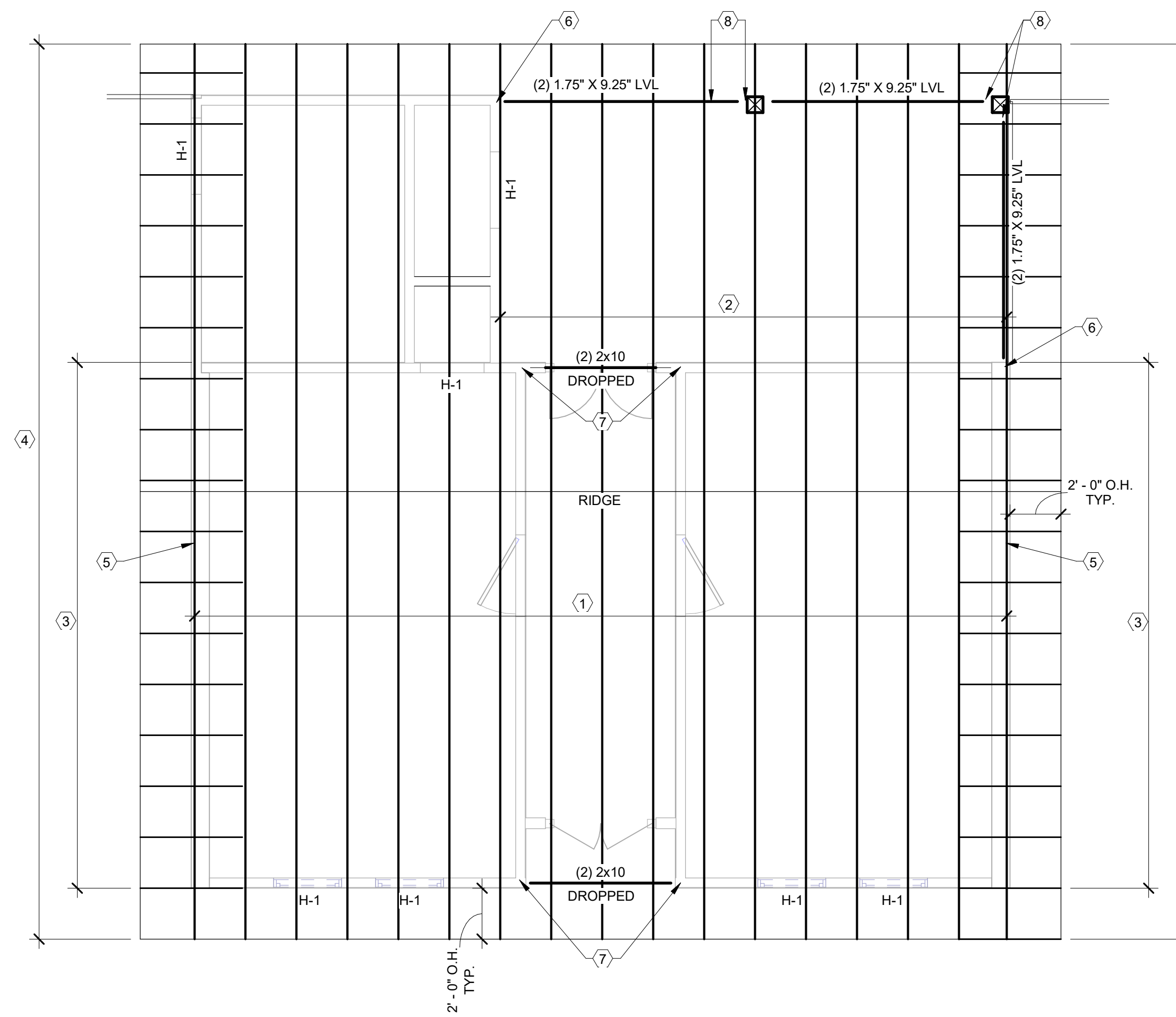
- 4" CONC. SLAB ON GRADE REINFORCED W/ 6X6-W1.4XW1.4 MID-DEPTH OVER 10 MIL VAPOR BARRIER ON 4" COMPACTED POROUS FILL.
- TURNDOWN SLAB AT PERIMETER, TYP. SEE "FOUNDATION PLAN GENERAL NOTES"
- 8X8 PRESSURE TREATED POST, TYP. SECURE TO CONC. SLAB W/ SIMPSON CPT88Z CONCEALED POST TIE W/ (2) 1/2" Ø HOT DIP GALVANIZED THREADED RODS W/ HILTI HIT-HY200 ADHESIVE, MIN. EMBED 6".
- SYMBOL DENOTES HOLD DOWN AT THIS LOCATION, TYP.. SEE "SHERWALL NOTE" THIS SHEET FOR MORE INFO
- OUTDOOR SHOWER, SLOPE TO DRAIN ALL SIDES, TYP.

NOTE:
LATERAL BRACING SYSTEM - LIGHT FRAME WOOD WALLS WITH WOOD SHEAR PANELS

SHERWALL NOTE:
ALL EXTERIOR WALLS TO BE CONSTRUCTED THUS:
WALL STUDS & WALL SHEATHING PER "DESIGN ITEMS" THIS SHEET.
5/8" DIA. ANCHOR BOLTS W/ 1/4"x3"x3" PLATE WASHERS TO BE INSTALLED @ 6'-0"o.c. (MAX.) & WITHIN 1'-0" (MAX.) FROM CORNERS & SILL PLATE SPLICE LOCATIONS.

INSTALL (1) HDU2-SDS2.5 w/ DOUBLE STUD @ LOCATIONS INDICATED ON PLAN THUS:

AT HOLD DOWN LOCATIONS, SECURE W/ 5/8" DIA. THREADED RODS W/ HILTI HIT-HY200 ADHESIVE W/ 9" EMBEDMENT INTO TURNDOWN SLAB.



FRAMING PLAN

SCALE: 1/4" = 1'-0"

FRAMING PLAN GENERAL NOTES:

- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
- SEE ARCH. PLAN FOR TYPICAL WALL SECTION
- PROVIDE SOLID BLOCKING BETWEEN TRUSSES AT BEARING LOCATIONS @ 4'-0" O.C. (MAX), TYP.
- BRACE TOP OF ALL INTERIOR STUD WALLS TO STRUCTURE ABOVE.
- ALL WOOD IN CONTACT W/ CONCRETE OR EXPOSED TO WEATHER TO BE TREATED.
- COORDINATE BRIDGING REQUIREMENTS FOR PRE-ENGINEERED FRAMING w/ MANUFACTURER.

DESIGN ITEMS:

EXTERIOR WALLS:	2x4 STUDS @ 16"o.c. (MAX), U.N.O.
EXTERIOR WALL SHEATHING:	7/16" PLYWOOD SHEATHING (1-SIDED)
FASTENING:	8d NAILS @ 6"o.c. ALONG PANEL EDGES @ 12"o.c. AT INTERMEDIATE SUPPORTS
ROOF SHEATHING:	1/2" PLYWOOD
FASTENING:	8d NAILS @ 6"o.c. ALONG PANEL EDGES @ 12"o.c. AT INTERMEDIATE SUPPORTS

FRAMING PLAN KEYNOTES:

- PRE-ENGINEERED WOOD ROOF TRUSSES @ 2'-0" O.C. (MAX), TYP., U.N.O.
- ROOF TRUSSES BEAR ON WALL/BEAM BELOW, TYP. @ THIS LOCATION ONLY. PROVIDE FULL HEIGHT TRUSS BLOCKS PER MANUF. @ 2'-0" O.C. BTWN. TRUSSES TO TRANSFER LOAD TO SHEARWALL BELOW, TYP.
- 2X8 STUDS @ 1'-4" O.C. (MAX), TYP.
- 2X4 OUTRIGGERS @ 2'-0" O.C. (MAX), TYP.
- STEP DOWN GABLE END TRUSS TO ALLOW FOR 2X4 OUTRIGGERS
- (3) 2X STUDS UNDER PORCH BAND BRG. STUD SIZE TO MATCH WALL STUDS AT BEARING LOCATIONS
- (2) 2X4 STUDS AT BEAM BEARING LOCATION
- SECURE BEAMS TO COL. W/ SIMPSON HUC410 HANGERS, TYP.

ROOF CONNECTION SCHEDULE	
CONDITION	CONNECTION REQ'D
ROOF TRUSSES @ 2'-0" O.C.	H2.5A
2X4 OUTRIGGERS TO STEP DOWN GABLE END TRUSS	H2.5A
2X4 OUTRIGGERS TO ROOF TRUSS	A35 CLIP

NOTES:
- ALL HANGERS, STRAPS & TIES REFERENCED IN TABLE ABOVE ARE STANDARD CONNECTORS MANUFACTURED BY SIMPSON STRONG TIE. ALTERNATIVE HANGERS ARE TO BE SUBMITTED TO EOR FOR APPROVAL PRIOR TO INSTALLATION.
- ALL CONNECTORS & FASTENERS EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED OR STAINLESS STEEL, TYP.

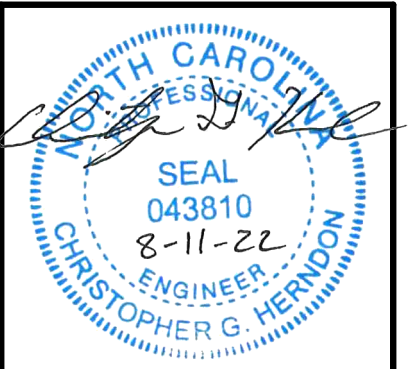
WOOD HEADER SCHEDULE		
HEADER MARK	HEADER DESCRIPTION	SUPPORT EA. END
H-1	(2) 2X6	(2) JACK STUDS

NOTES:
- ALL HEADERS TO BEAR ON A MIN. OF (2) JACK STUDS EA. END
- FOR OPENINGS IN EXTERIOR WALLS UNDER 4'-0" USE (2) FULL HEIGHT STUDS EA. END
- PROVIDE 2X4 PLATE TOP & BOT OF ALL HEADERS, TYP.
- INSTALL 1/2" SHEATHING SPACER BETWEEN HEADER PLIES AS REQ'D, TYP.

ROOF TRUSSES TO BE PRE-ENGINEERED WOOD TRUSSES SPACED @ 2'-0"o.c. (MAX.) UNLESS NOTED OTHERWISE. SEE GENERAL STRUCTURAL NOTES FOR OTHER REQ. (TYP.)

NOTE:
FINAL SIGNED AND SEALED TRUSS CALCULATIONS TO BE REVIEWED BY S.E.R. PRIOR TO FABRICATION FOR COORDINATION W/ BUILDING STRUCTURAL REQUIREMENTS.

NOTE:
PROVIDE PERMANENT TRUSS BOTTOM CHORD BRACING: GYPSUM BOARD SHEATHING



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FOUNDATION & FRAMING PLANS
Lexington Plantation Pool House
400 Centennial Parkway Cameron, NC 28326

REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED BY: CGH
DRAWN BY: CGH
CHECKED BY: DWS
SCALE: As indicated
DATE: 8/11/22
PROJECT NUMBER: 2101033

S1.0